

AMENDMENTS TO THE ABSTRACT

Please replace the current abstract with the replacement abstract provided on a separate sheet.

ABSTRACT

~~The~~ A standard model creating apparatus which provides a high-precision standard model used ~~for~~ for pattern recognition such as speech recognition, character recognition, or image recognition using a probability model based on a hidden Markov model, Bayesian theory, or linear discrimination analysis; intention interpretation using a probability model such as a Bayesian net; data-mining performed using a probability model; and so ~~forth.~~ forth, ~~the~~ The standard model creating apparatus comprising: includes a reference model preparing unit (102) ~~operable to prepare at least one that~~ prepares at least one reference model; a reference model storing unit (103) ~~operable to store~~ that stores the reference model (121) prepared by the reference model preparing unit (102); and a standard model creating unit (104) ~~operable to create~~ that creates a standard model (122) by calculating statistics of the standard model so as to maximize or locally maximize the probability or likelihood with respect to the ~~at least one~~ reference model stored in the reference model storing unit (103).